

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

1. A method to analyze gene expression comprised of:

providing a plurality of samples of biological material comprising a polypeptide and contained in discrete compartments as separate samples from [comprising an expression product of a gene sequence, arranged in a discrete compartment, wherein the plurality of samples contain gene expression products derived from] at least two distinct biological conditions that [may] exhibit differential gene expression,

contacting each of the plurality of samples with an antibody wherein the antibody has been obtained by an immune response to in vivo expression of [is specific to the expression product of] a gene sequence, and

correlating the reaction between the antibody and the plurality of samples with expression of the gene sequence in the samples.

3. The method of claim 1 wherein the step of contacting the plurality of samples is performed with the antibody is performed with antibodies obtained from the in vivo expression of at least 100 different gene sequences [at least 100 antibodies].